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NOTICE OF ALLOWANCE AND FEE(S) DUE

166

7590

10/07/2009

YOUNG & THOMPSON 209 Madison Street Suite 500 ALEXANDRIA, VA 22314 EXAMINER

ERDEM, FAZLI

ART UNIT PAPER NUMBER

2826 DATE MAILED: 10/07/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/028.778	12/28/2001	Hiroaki Tanaka	8004-1013	4276	

TITLE OF INVENTION: ACTIVE MATRIX ADDRESSING LIQUID-CRYSTAL DISPLAY DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	01/07/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

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YOUNG & TH 209 Madison Str Suite 500				I here State addre trans	eby certify that thi s Postal Service w essed to the Mail	s Fee(: ith suf Stop	s) Transmittal is being ficient postage for firs ISSUE FEE address 1) 273-2885, on the day	deposi t class above,	ited with the United mail in an envelope or being facsimile
ALEXANDRIA	, VA 22314								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONI	FIRMATION NO.
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
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466 75	466 7590 10/07/2009		EXAM	AMINER	
YOUNG & THO	MPSON	ERDEM, FAZLI			
209 Madison Stree	t		ART UNIT	PAPER NUMBER	
Suite 500 ALEXANDRIA, VA 22314			2826 DATE MAILED: 10/07/2009		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 94 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 94 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/028,778	TANAKA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	 FAZLI ERDEM	2826	
The MAILING DATE of this communication appea. All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313 1. This communication is responsive to Notice of appeal filed.	(OR REMAINS) CLOSED in to or other appropriate commun IGHTS . This application is substantial MPEP 1308.	his application. If not include ication will be mailed in due o	d course. THIS
2. ☑ The allowed claim(s) is/are <u>54-60</u> .			
3. Acknowledgment is made of a claim for foreign priority uner a) □ All b) □ Some* c) ⊠ None of the: 1. □ Certified copies of the priority documents have 2. □ Certified copies of the priority documents have 3. □ Copies of the certified copies of the priority do International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. □ A SUBSTITUTE OATH OR DECLARATION must be submained in the submained in t	e been received. e been received in Application cuments have been received of this communication to file at MENT of this application. whitted. Note the attached EXAM es reason(s) why the oath or cost be submitted. Son's Patent Drawing Review (c) as Amendment / Comment or in the header according to 37 CFR esit of BIOLOGICAL MATER	No in this national stage applicate reply complying with the requirement of the complying with the requirement. MINER'S AMENDMENT or Not declaration is deficient. (PTO-948) attached In the Office action of the drawings in the front (not the 1.121(d). RIAL must be submitted. N	uirements OTICE OF back) of
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 8/2/04 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sur Paper No./M 7. ☑ Examiner's A	ormal Patent Application mmary (PTO-413), lail Date mendment/Comment tatement of Reasons for Allow	wance

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DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Liam McDowell on 08/24/2009.

The application has been amended as follows:

Re-write independent claim 54 as following:

An active matrix addressing LCD device comprising: an active matrix substrate having a transparent, dielectric plate, thin film transistors (TFTs) arranged on the plate, and pixel electrodes arranged on the plate; wherein the active matrix substrate includes at least one of scan lines, signal lines, and common lines; a multilevel conductive structure at a terminal of said line; wherein the multilevel conductive structure comprises a TiN film having a nitrogen concentration of 25 atomic % or higher, the TiN film being located at a top of the multilevel conductive structure; and wherein a transparent conductive film is absent from the TiN film so that the TiN film is exposed at said terminal.

Allowable Subject Matter

Claims 54-60 allowed.

The following is an examiner's statement of reasons for allowance: Prior art failed to establish an LCD device with exposed multilevel conductive structure at a terminal as specified in independent claim 54.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to FAZLI ERDEM whose telephone number is (571)272-1914. The examiner can normally be reached on M-F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue Purvis can be reached on 571-272-1236. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

FE August 24, 2009 /Thomas L Dickey/ Primary Examiner, Art Unit 2826